CNA

Expeditionary Seabasing

through the lens of the

MPF(F) Analysis of Alternatives

R. M. Souders

22 October 2003

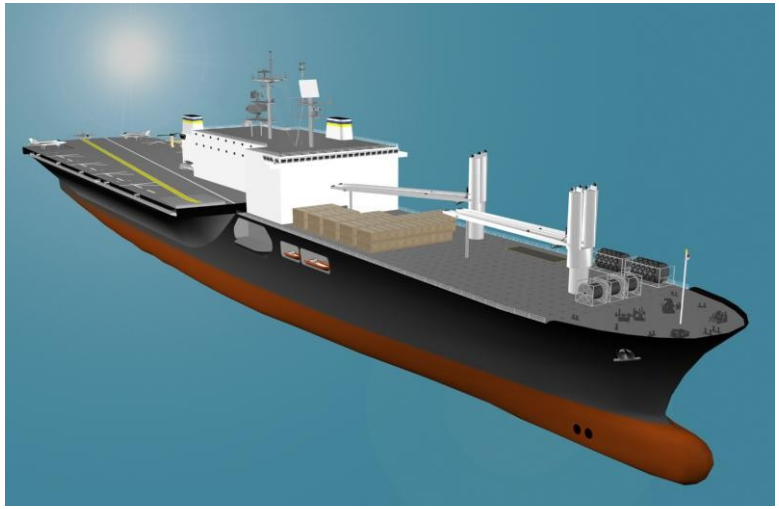
Purpose

Provide a brief overview of the MPF(F) AoA analysis process, and highlight the relationship between MPF(F) and expeditionary seabasing

MPF(F) Capabilities Improvements

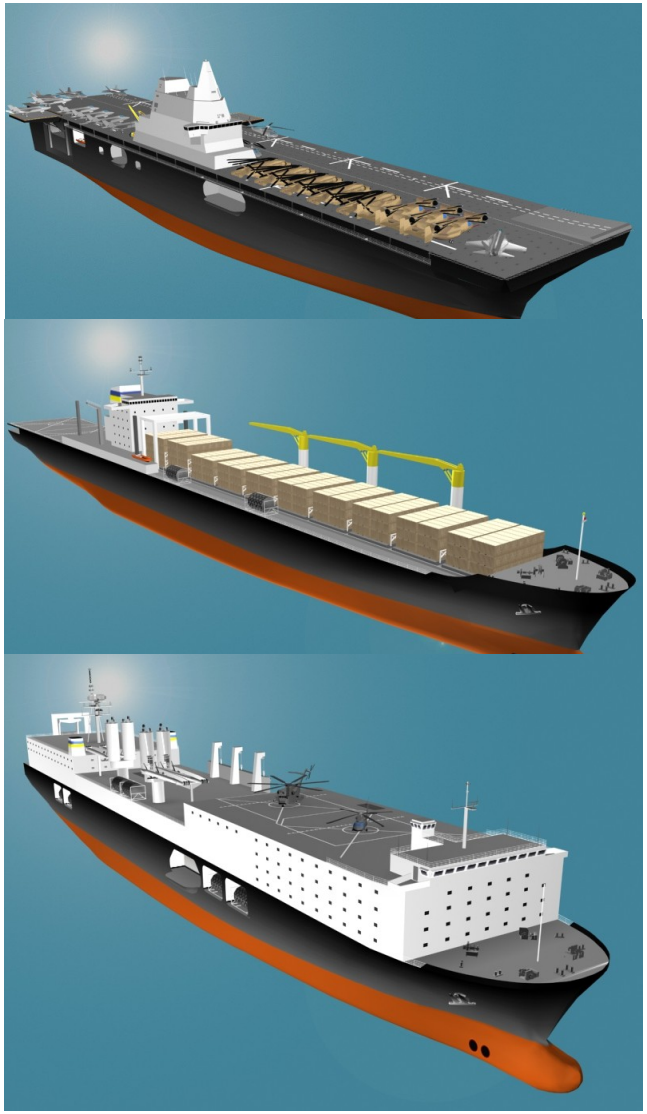
- **Rapid reinforcement of amphibious forces (MEB FIE required)**
  - Reinforcement of ESG/MEU with up to a MEB size force
- **Enhanced stand-alone sea-based capability (Special purpose Marine FIE required)**
  - Non-combatant contingency operations
- **Supporting amphibious presence capabilities (Organic MSC/MPSRON manning)**
  - Continuing sustainment node for ESF forces

AoA Conceptual Ship Designs



“Large” ship option

“Smaller” ship option



Family of dissimilar ships

Operational Tenets of Seabasing

- **Improved Force Closure**
- **Force Interoperability**
- **Continuing Sustainment**
- **Reconstitution for redeployment**

Issues Examined during the AoA

- **Improved Force Closure**
  - Movement from CONUS to a base underway at sea
  - Shipboard receipt, staging, and integration
- **Force Interoperability**
  - Maneuver unit employment
  - Tactical air interoperability
  - Survivability considerations
- **Continuing Sustainment**
  - Tactical and operational resupply
  - Theater/strategic sustainment
- **Reconstitution for redeployment**
  - Shipboard maintenance

Issues Examined during the AoA

- **Improved Force Closure**
  - Movement from CONUS to a base underway at sea
  - Shipboard receipt, staging, and integration
- **Force Interoperability**
  - Maneuver unit employment
  - Tactical air interoperability
  - Survivability considerations
- **Continuing Sustainment**
  - Tactical and operational resupply
  - Theater/strategic sustainment
- **Reconstitution for redeployment**
  - Shipboard maintenance

Force Closure Analysis

Shortage of and competition for C-17 lift drives force closure timeline

- Inter-theater high-speed ship (HSS) alternative:
  - Eliminates need for C-17 to lift cargo
- Intra-theater HSV alternative:
  - Allows earlier departure of MPF(F) ships from prepo site

Force closure analysis will compare alternative timelines

Shipboard Receipt, Staging, and Integration

- **Requirements for Shipboard RSI**
  - **Receipt Issues**
    - Not everything can be prepo'd, movement of HV/LD equipment and sustainment required, therefore . . .
    - At-sea transfer of people and cargo required
  - **Staging Issues**
    - Improved asset visibility, selective retrieval systems
    - Improved systems to allow equipment preparation and training shipboard
  - **Integration Issues**
    - Open space, selective retrieval systems
- **Bottom line: Space, Support Equipment, & Time**

Force Employment Analysis

Goal: deliver force in combat order as quickly as possible

- Air delivery using organic USMC aircraft
- Surface delivery using organic surface craft

Compare capabilities between differing squadron designs to deliver the force

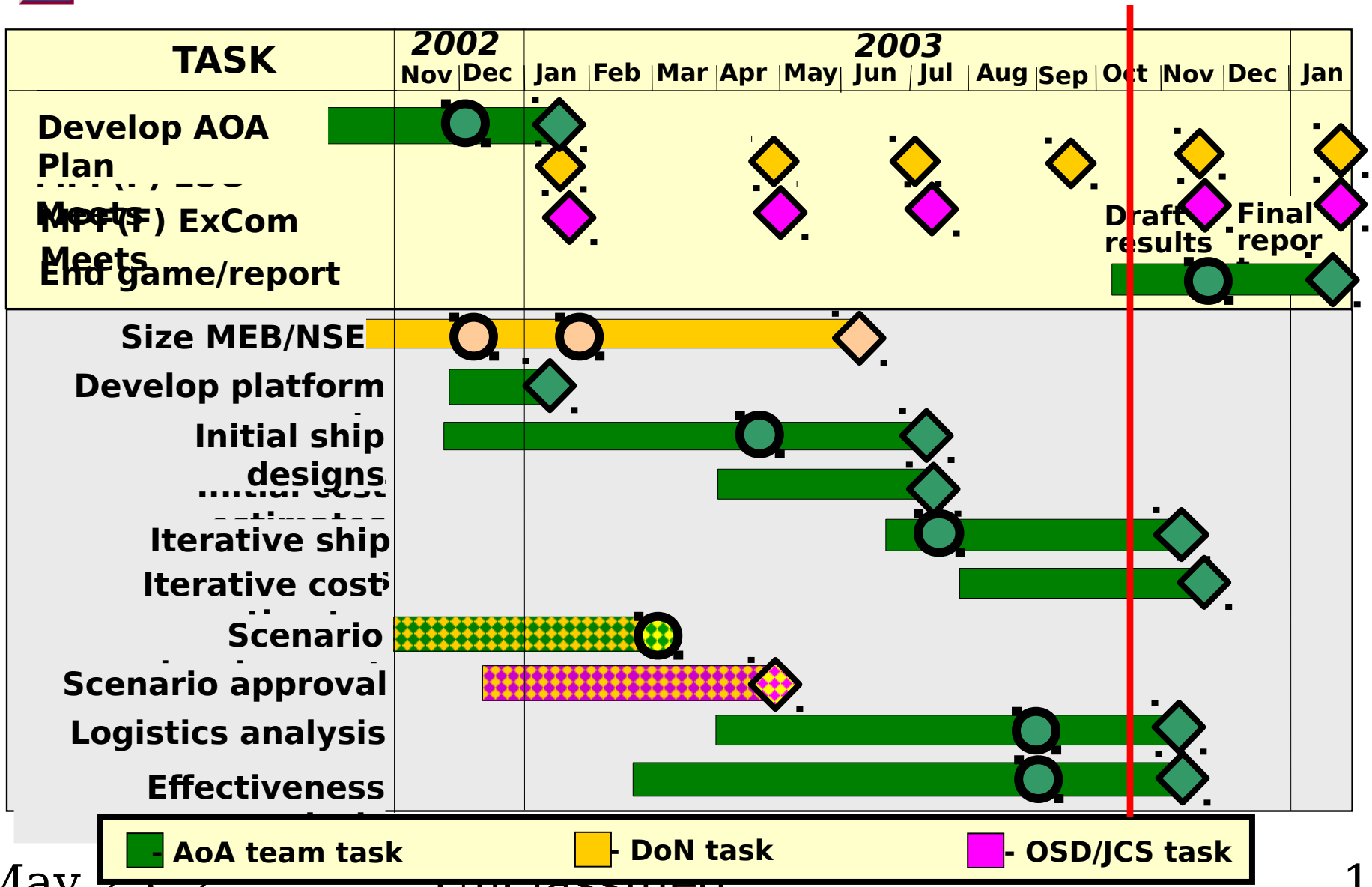
Survivability Assumptions

- **MNS requires Navy Level I survivability**
  - 2 compartment stability per draft OPNAVINST
- **AoA survivability assumptions:**
  - Minimize loss of life
  - Prevent the loss of the ship
  - Do NOT require the ship to “fight hurt”
- **DoN AoA Scope requires investigation of “cost effective passive improvements”**
  - Focus on passive defense and recoverability improvements

MPF(F) Sustainment Analyses

- **Size sustainment requirements for forces supported on and from the sea base**
- **Determine capabilities to provide resupply to forces ashore and afloat**
- **Determine flow required from CONUS or forward theater bases**

MPF(F) AoA Schedule



Questions?